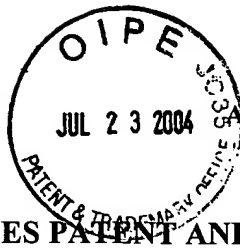


Express Mail Label No.: EV393205603US

Date of Deposit: July 22, 2004



Attorney Docket No. 15966-575B (Cura-75B)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**APPLICANT(S):** Prayaga *et al.*

**SERIAL NUMBER:** 09/679,740

**EXAMINER:** Not yet Assigned

**FILING DATE:** October 5, 2000

**ART UNIT:** 1645

**FOR:** Endozepine-Like Polypeptides and Polynucleotides Encoding Same

July 22, 2004

Boston Massachusetts

**MAIL STOP PETITION**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

**PETITION UNDER 37 C.F.R. § 1.181 TO  
WITHDRAW HOLDING OF ABANDONMENT**

1. This paper is in response to the Notice of Abandonment mailed on June 10, 2004. The Notice of Abandonment indicated that the present application is considered abandoned in view of Applicants' failure to timely file a reply to the Notice to Comply with Requirements for Patent Applications Containing Nucleotide Sequence and/or Amino Acid Sequence Disclosures ("Notice to Comply") mailed on February 14, 2002.
2. The undersigned asserts that a full search of the file jacket and docket records for the above-referenced application indicates that the Notice to Comply was never received by this office. Thus, no Notice to Comply was ever docketed for response.
3. Applicants therefore respectfully submit that any consideration of Abandonment of the present application is in error, and that such considerations be withdrawn.

4. The statements below are made as to the exact facts that are relied upon to establish the non-receipt of the Notice to Comply by the office of the Attorney of Record.

5. On October 5, 2000, Attorneys for Applicants filed a Request for a Nonprovisional Application under 37 C.F.R. § 1.53(b) and an unexecuted Combined Declaration and Power of Attorney instructing the Office to address all telephone calls and general correspondence to the undersigned at the address listed therein (same as below). A postcard listing the contents of the filing was also sent and was duly returned bearing a label affixed by the Office indicating an application number 09/679,740 and as having been received on 10/05/00.

6. A file was created according to the procedures outlined in the Declaration of Mr. Richard Tomlins (Exhibit A).

7. On June 5, 2001, Attorneys for Applicants filed a response to the Notice to File Missing Parts mailed January 12, 2001, including the Combined Declaration and Power of Attorney required by the January 12, 2001 Notice and Petition for a Three-Month Extension (along with the appropriate fee).

8. On September 14, 2001, Attorneys for Applicants filed a Response to a corrected Notice to File Missing Parts mailed July 17, 2001, including the sequence listing in paper format, computer readable form (CRF), and a statement in support of the CRF, as required by the July 17, 2001 corrected Notice.

9. On May 24, 2004, Attorneys for Applicants filed a status inquiry, including copies of the September 14, 2001 Response to corrected Notice to File Missing Parts.

10. A Notice of Abandonment was mailed on June 10, 2004, and received by Attorneys for Applicants on or about June 21, 2004.

11. In rendering a decision on this Petition, Attorneys for Applicants also request that the Commissioner consider the following sequence of events: a Notice to Comply provides two

months from the mailing date in which to file a response, for which extensions may be obtained for an additional five months. Therefore, the final deadline to respond to the Notice to Comply mailed on February 14, 2002 would have occurred on September 14, 2002. Presumably a Notice of Abandonment would have been received within several months thereafter. In the instant case, however, the Notice of Abandonment was only mailed June 10, 2004, almost twenty-one months after the final deadline for response had passed, and only after Attorneys for Applicants filed a status inquiry. The undersigned respectfully asserts that this time span represents an unusually long delay and supports Applicants' contention that the Notice to Comply was not received, and therefore could not be replied to in order to avoid abandonment.

12. Under the requirements set forth in 37 C.F.R. § 1.181, the following documents are submitted herewith in support of this Petition:

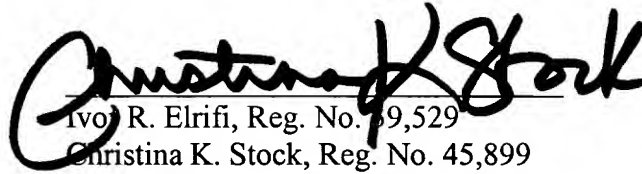
- 9.1 a declaration of Mr. Richard Tomlins, Patent Manager for the Offices of the Attorneys of Record (Exhibit A);
- 9.2 a true copy of the docket record for 15966-575B, as required by MPEP § 711.03(c), Part II (Exhibit B); and
- 9.3 a true copy of the mail log for the time period of February 12, 2002 to March 14, 2002 (Exhibit C).

13. No fees are believed due with the submission of this Petition. However, the Commissioner is hereby authorized to charge any necessary fees that may be due to Account No. 50-0311, Reference No. 15966-575B (Cura-75B).

U.S.A.N.: 09/679,740  
Prayaga *et al.*

14. Applicant respectfully requests that the notice of abandonment of this application be withdrawn. Should the Commissioner have any questions concerning this petition, he is invited to telephone the undersigned at the number provided.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Christina K. Stock", is written over a horizontal line.

Ivo R. Elrifi, Reg. No. 39,529  
Christina K. Stock, Reg. No. 45,899  
Attorneys for Applicants  
MINTZ LEVIN COHN FERRIS  
GLOVSKY & POPEO P.C.  
Tel: (617) 542-6000  
Fax: (617) 542-2241  
Customer No.: 30623

TRA 1937400v1

Express Mail Label No.: EV393205603US

Date of Deposit: July 22, 2004



Attorney Docket No. 15966-575B (Cura-75B)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**APPLICANT(S):** Prayaga *et al.*

**SERIAL NUMBER:** 09/679,740

**EXAMINER:** Not yet Assigned

**FILING DATE:** October 5, 2000

**ART UNIT:** 1645

**FOR:** Endozepine-Like Polypeptides and Polynucleotides Encoding Same

July 22, 2004

Boston Massachusetts

**MAIL STOP PETITION**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

**DECLARATION OF RICHARD R. TOMLINS II UNDER 37 C.F.R. §1.68 IN SUPPORT  
OF RULE 181 PETITION TO WITHDRAW HOLDING OF ABANDONMENT**

I, Richard R. Tomlins II, hereby declare as follows:

1. My name is Richard R. Tomlins II, and I am the Manager of Operations-IP for the law firm of Mintz, Levin, Cohn, Ferris, Glovsky & Popeo P.C., with offices at One Financial Center, Boston, MA 02111. I make this Declaration based on personal knowledge and in support of the accompanying Request to Withdraw Notice of Abandonment in the above-identified application.
2. I have over 8 years of experience in U.S., PCT, and foreign patent procedures. I am currently responsible for implementing and overseeing the file room and docketing procedures in the Intellectual Property section within Mintz Levin. I am very familiar with these procedures and attest that they are functioning on a routine basis. Below is an outline of the procedures followed by the docketing and file room:
3. Attendant to its Intellectual Property Practice, Mintz Levin has implemented a filing and docketing system whereby files are created for each new matter opened with the USPTO. These

files are then assigned to one or more supervising and responsible attorneys. These files house the record of correspondence between the Office and the attorneys of record, and between the Applicant and the attorneys. For each application, Combined Declarations and Powers of Attorney specifically instruct that all correspondence be mailed to the Attorneys for Applicant. All outside mail, including Actions sent from the USPTO, is received in a central location. It is then date stamped, logged into a spreadsheet, and docketed into a central database ("CPI") shortly after receipt. The Action is subsequently forwarded to the responsible attorney or his/her secretary via hand. Weekly docket reports are prepared for each attorney listing the days on which various actions are due.

4. Upon filing a response to an Action from the USPTO, the attorney or his/her secretary concurrently forwards duplicate paperwork to the docketing department so that the Action for which a response was filed will be de-docketed from the date-due list.

5. On or about October 5, 2000, the procedures outlined above were followed in this instance and a file was created for the above identified patent application bearing Attorney Docket No. 15966-575B (Cura-75B). The information was also entered into the central computer database.

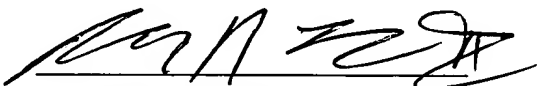
6. A full search of the mail, the spreadsheet, the file jacket for 15966-575B, and of the docket records indicates that Mintz Levin has never received a Notice to Comply in the above-identified application. The Action has never been entered on our central database and has never been included within the weekly docketing reports. No correspondence from the USPTO pertaining to this application has ever been docketed in our central database.

7. Pursuant to MPEP § 711.03(c), Part II, true copies of the docket record for the above-referenced application are enclosed for consideration. These copies show, under the heading "List of Actions", where the Notice to Comply mailed February 14, 2002 would have been entered and docketed had it been received.

8. All statements made of my own knowledge are true, and all statements made on information and belief are believed to be true. The statements made herein are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Respectfully submitted,

Date: July 22, 2004



Richard R. Tomlins II  
Patent Manager  
c/o MINTZ LEVIN COHN FERRIS  
GLOVSKY & POPEO, P.C.  
One Financial Center  
Boston, MA 02111  
(617) 542-6000  
Customer No.: 30623



## Country Application

Friday, July 09, 2004

Page: 1

**Docket Number:** 15966-575 B

**SubCase:**

**Country:** US

**Client:** 15966 CuraGen Corporation

United States of America

**Resp. Office:** MA

**Case Type:** PRI

**Application Status:** Pending

**Serial Number:** 09/679740

**Filing Date:** 05-Oct-2000

**Publication Number:**

**Publication Date:**

**Patent Number:**

**Issue Date:**

**Parent/PCT Number:**

**Parent/PCT Date :**

**Parent Patent Number:**

**Parent Issue Date :**

**Tax Schedule:** SE

**Expiration Date:**

**Confirmation Number:** 8638

**Patent Term Adjustment:** 0

**Agent:**

**Agent Reference No.:**

**Client Reference No.:** CURA-75 B

**Examiner:**

**Group Art :**

**Title:** ENDOZEPHINE-LIKE POLYPEPTIDES AND POLYNUCLEOTIDES  
ENCODING SAME

**Remarks:** Conf. No. 8638. Assigned from Inventors to Curagen Corporation. Recorded at 011879/0561 (13 pgs) on 6/5/01. Supplemental IDS filed 3/5/02. Letter to client 5/25/04 reporting filing of status inquiry. Notice of Abandonment rec'd, dated 6/10/04 failure to reply to Notice of File Missing parts mailed on 2/14/02.



**List Of Actions**

<b>Action(s) Due</b>	<b>Due Date</b>		<b>Action Taken</b>
Filing Receipt Rec'd?	05-Jan-2001	Due Date	12-Jan-2001
Information Disclosure Stmtnt	05-Jan-2001	Due Date	22-Jan-2001
Missing Parts Due	12-Mar-2001	Due Date	05-Jun-2001
Missing Parts Due w/ 1st Ext	12-Apr-2001	Due Date	05-Jun-2001
Missing Parts Due w/ 2nd Ext	12-May-2001	Due Date	05-Jun-2001
Foreign 8M Letter	05-Jun-2001	Due Date	05-May-1955
Missing Parts Due w/ 3rd Ext	12-Jun-2001	Due Date	05-Jun-2001
Missing Parts Due in 2Wks	29-Jun-2001	Due Date	05-Jun-2001
MISSING PARTS DUE w/ FINAL EXT	12-Jul-2001	Final	05-Jun-2001
Foreign 10M Reminder	05-Aug-2001	Due Date	05-May-1955
Foreign 11M Reminder	05-Sep-2001	Due Date	05-May-1955
Sequence Listing Due	17-Sep-2001	Due Date	14-Sep-2001
FOREIGN 12M DEADLINE	05-Oct-2001	Final	05-May-1955
Sequence Listing Due 1st ext	17-Oct-2001	Due Date	14-Sep-2001
Sequence Listing Due 2nd ext	17-Nov-2001	Due Date	14-Sep-2001
Sequence Listing Due 3rd ext	17-Dec-2001	Due Date	14-Sep-2001
SEQUENCE LISTING DUE-FINAL	17-Jan-2002	Final	14-Sep-2001
Application Status Check	05-Apr-2002	Due Date	05-May-1955

**User ID:** PNg**Date Created:** 06-Oct-2000**Last Update:** 21-Jun-2004

2/14/2002	09/958040	19141-542	Notice of Acceptance of App/Filing Receipt	02/07/02	jem	cvk	vea
2/14/2002	10/044628	17561-069	Missing Parts/Filing Receipt	02/11/02	jem	rs	vea
2/14/2002	10/051213	17644-188	Notice to File Corrected App Papers/Filing Receipt	02/08/02	jem	cp	vea
2/14/2002	09/428589	19721-008	Notice of Allowance and Fees Due	02/11/02	jem	mp	vea
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2/14/2002	09/715869	21272-103CIP2C	OA 3m	02/11/02	jem	bc	vea
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2/14/2002	09/915043	21402-071	Updated Filing Receipt	02/11/02	meb	sc	vea
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2/15/2002	6345718		Hard Copy Patent	02/12/02	jem	rs	vea
2/15/2002	09/850808	17564-147	OA/ 3M	02/12/02	jem	rs	vea
2/15/2002	6345449		Hard Copy Patent	02/12/02	jem	tms	vea
2/15/2002	09/588396	19546-020	Letter from Associate	02/13/02	jem	bjm	vea
2/15/2002	5815912		Letter from Associate	02/11/02	jem	rd	vea
2/15/2002	09/296264		Notice Regarding POA	02/06/02	jem	js	vea
2/15/2002	09/529017		Notice Regarding POA	02/08/02	jem	bjm	vea
2/15/2002	09/884861	15966-789	Recordation and Assignment	02/01/02	jem	cak	vea

2/15/2002	60/334198	21402-257B6	Filing Receipt		02/06/02	meb	jfe		meb
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2/19/2002	09/904013	21272-061CON2	Notice of Recordation of Assignment		02/12/02	jem	bc		vea
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2/19/2002	09/724842	14445-501	OA 1m		02/13/02	jem	bjm		vea
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2/19/2002	08/912946	17811-001	Letter from Associate		02/13/02	jem	cvk		vea
2/19/2002	09/611491	21816-002	Letter from National Defense Headquarters, CANADA		11/29/01	jem	iab		vea
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2/19/2002	10/004551	15966-559 CON-S6	Filing Receipt		02/13/02	meb	dej		vea
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2/20/2002	09/739175		OA 3m	02/05/02	jem	rs	vea
2/20/2002	09/952680	23239-501	Notice to Comply	02/14/02	jem	sc	vea
2/20/2002	29/153774	18133-109	Missing Parts/Filing Receipt	02/14/02	jem	tms	vea
2/20/2002	60/348439	24057-001	Filing Receipt	02/13/02	meb	gis	vea
2/20/2002	09/939397	21272-084CON	Corrected Filing Receipt	02/14/02	meb	bsc	vea
2/20/2002	09/943143	21272-079CON	Corrected Filing Receipt	02/14/02	meb	bsc	vea
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2/20/2002	60/336674	24257-001	Corrected Filing Receipt	02/13/02	meb	mmd	vea
2/20/2002	09/922340	21272-071CON3	Corrected Filing Receipt	02/14/02	meb	bsc	vea
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2/22/2002		18133-057 and ?	Transmittal Form	02/11/02	jem	ces	vea
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2/25/2002	09/616132	19748-001	OA 3m	02/19/02	jem	bjm	vea
2/25/2002	10/054606	03524-512	Missing Parts/Filing Receipt	02/19/02	jem	kek	vea
2/25/2002	09/359099		Missing Parts/Filing Receipt	02/15/02	jem	ces	vea
			Notice re POA			skg	vea
			Response to request for corrected Filing Receipt				
2/25/2002	09/898570	15966-776 CIP		02/20/02	jem	jfe	vea
2/25/2002	09/755398	15966-632	Notice of Pub of App	02/07/02	jem	sc	vea
2/25/2002	10/047263	21402-246	Missing Parts/Filing Receipt	02/21/02	jem	js	vea
2/25/2002	10/055524		Notice of File Corrected App Papers	02/20/02	jem	cvk	vea
2/25/2002	10/037417	21402-235	Missing Parts/Filing Receipt	02/20/02	jem	sc	vea
2/25/2002	10/052691	18989-016	Missing Parts/Filing Receipt	02/20/02	jem	cak	vea
2/25/2002	09/957260	22596-501	OA 3m	02/19/02	jem		vea
2/25/2002	09/621928	16546-028	Office Communication (refs?)	02/19/02	jem	bjm	vea

2/25/2002	09/767410	22815-002	Office Communication (refs?)	02/19/02				
2/25/2002	09/730666	21486-035	OA 1m	02/20/02	jem		iab	vea
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2/25/2002	09/894159	21402-033	Notice of Recordation of Assignment	02/19/02	jem		hae	vea
2/25/2002	09/835522	15966-767	Notice of Recordation of Assignment	02/19/02	to MP			
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2/25/2002	60/348837	15966-517UA	Filing Receipt	02/21/02	meb		kek	vea
2/25/2002	09/925564	21272-080CON	Corrected Filing Receipt	02/19/02	meb		bc	vea
2/25/2002	60/346357	21402-479	Filing Receipt	02/19/02	meb		ire	vea
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2/25/2002	60/335301	21402-321F1	Filing Receipt	02/19/02	meb		ire	vea
2/25/2002	09/944609	17564-151	Updated Filing Receipt	02/19/02	meb		rs	vea
2/25/2002	10/051408	17644-186	Filing Receipt	02/19/02	meb		rs	vea
2/26/2002			Letter from American Home Products	02/22/02	jem		ire	vea
2/26/2002	09/872623		Albany Medical Postcard from Braman & Rogalsky, LLP	02/21/02	jem		npt	vea
2/27/2002	09/448735	17554-034	OA 3m	02/22/02	jem		tms	dmh
2/27/2002	29/133881	18133-063	OA 2m	02/21/02	jem		tms	dmh
2/27/2002	09/731001	15966-613	OA 1m	02/22/02	jem		cb	dmh
2/27/2002	09/656633	15966-563	OA 1m	02/22/02	jem		cak	dmh
2/27/2002	09/868748	18111-001-NATL	Notice of Acceptance of App/Filing Receipt	02/19/02	jem		kek	dmh
2/27/2002	10/025600	21272-110CIPCON	Missing Parts/Filing Receipt	02/21/02	jem		bc	dmh
2/27/2002	09/994386	24220-012	Notice of Incomplete Reply	02/20/02	jem		dfc	dmh
2/27/2002	10/059939	21958-022	Missing Parts/Filing Receipt	02/22/02	jem		bph (nyc)	dmh
2/27/2002	09/904939	21272-056CON	Missing Parts/Filing Receipt	02/21/02	jem		bc	dmh
2/27/2002	10/056606	23135-501CIPDIV5	Missing Parts/Filing Receipt	02/21/02	jem		npt	dmh
2/27/2002	09/559132	18133-030	Notice of Allowance and Fees Due	02/22/02	jem		ajm	dmh
2/27/2002	10/057593	23659-502	Missing Parts/Filing Receipt	02/21/02	jem		mm	dmh
2/27/2002	10/003737	23132-011	Updated Filing Receipt	02/20/02	meb		bnp	vea
2/27/2002	60/353428	22866-017	Filing Receipt	02/22/02	meb		bhp	vea
2/27/2002	09/813432	15966-729	Corrected Filing Receipt	02/21/02	meb		gis	vea
2/27/2002	60/264355	22796-501	Replacement Filing Receipt	02/19/02	meb	arch + delivery		vea
2/27/2002	10/002304	15966-554CON-S8	Corrected Filing Receipt	02/21/02	meb		gis	vea

2/28/2002	10/024966	21379-030	Notice of Recordation of Assignment	02/21/02	jem	bnd	dmh
2/28/2002	09/428122	19721-007	OA 3m	02/25/02	jem	mp	dmh
2/28/2002	09/361040	19721-002	OA 3m	02/25/02	jem	mp	dmh
2/28/2002	09/485571	19904-009	OA 3m	02/25/02	jem	bjm	dmh
2/28/2002	10/022305	21272-086CIP2CON	Missing Parts/Filing Receipt	02/25/02	jem	bc	dmh
2/28/2002	60/261638		Notice re POA	02/25/02	jem	skg	dmh
2/28/2002	09/834196	17564-142	Notice of Pub of App	02/15/02	jem	rs	dmh
2/28/2002	60/263569	24655-014PRO	Notice re POA	02/25/02	jem	skg	dmh
2/28/2002	10/024399	21402-224AE	Missing Parts/Filing Receipt	02/26/02	jem	fwf/cak	dmh
2/28/2002	10/024405	17741-503	Missing Parts/Filing Receipt	02/21/02	jem	mkn/ire	dmh
2/28/2002	60/340959	24487-501	Missing Parts/Filing Receipt	02/22/02	jem	bph/ajm	dmh
2/28/2002	09/811974	18133-073	Notice of Allowance and Fees Due	02/25/02	jem	tms	dmh
2/28/2002	09/791513	00960-525FWCCON	Notice re POA	02/25/02	jem	mm	dmh
2/28/2002	09/728628	21272-065CIP2C	OA 1m	02/25/02	jem	bc	dmh
2/28/2002	09/523800; 60/282528PRO	20349-502; 20349-20363-007-CON	Fax from Andre Catana Faxed Letter from DFCI	02/27/02	jem	cvk/hae/mg/cb	dmh
2/28/2002	09/642701	18136-003	Publication (10 copies)	02/21/02	jem	cvk	dmh
2/28/2002	60/354164	24641-514	Filing Receipt	02/25/02	jem	tms	dmh
2/28/2002	60/530298	21534-002PRO	Filing Receipt	02/25/02	meb	bph (nyc)	vea
2/28/2002	09/974591	15966-654CIP	Updated Filing Receipt	02/25/02	meb	iab	vea
2/28/2002	09/860365	21231-503	Updated Filing Receipt	02/25/02	meb	nsb	vea
2/28/2002	09/784942	15966-678	Updated Filing Receipt	02/25/02	meb	bjm	vea
2/28/2002	60/304533	22510-501PRO2	Filing Receipt	02/25/02	meb	hae	vea
2/28/2002	60/354156	24641-512	Filing Receipt	02/25/02	meb	ire	vea
2/28/2002	60/354155	24641-513	Filing Receipt	02/25/02	meb	bph (nyc)	vea
3/1/2002		21402-224AA; 21402-224AB;					
3/1/2002		21402-228	Letter from CuraGen	02/27/02	jem	ajp	vea
3/1/2002		21402-050	Letter from CuraGen	02/27/02	jem	ajp	vea
3/1/2002		21402-132	Letter from CuraGen	02/27/02	jem	ajp	vea
3/1/2002		21402-141	Letter from CuraGen	02/27/02	jem	ajp	vea
3/1/2002	10/036733	24499-529	Missing Parts/Filing Receipt	02/05/02	jem	skg	vea
3/1/2002	09/486861	15966-511	Communication from Examiner: Notice to Comply 1m	02/26/02	jem	kek	vea

3/1/2002	09/688598	15966-579	Notice to Comply: Seq Listing	02/26/02	jem	js	vea
3/1/2002	09/717321	15966-601	Office Communication	02/26/02	jem	cak	vea
3/1/2002	09/974294	15966-572CIP2	Notice of Recordation of Assignment	02/25/02	jem	mp	vea
3/1/2002	09/430723	19721-011	OA 3m	02/26/02	jem	mp	vea
3/1/2002	09/339093	17810-049	Communication Re: Appeal	02/26/02	jem	cvk	vea
3/1/2002	10/056645	23135-501CIPDIV1	Missing Parts/Filing Receipt	02/25/02	jem	npt	vea
3/1/2002	09/602543	24059-015	OA 3m	02/11/02	jem	bsc	vea
3/1/2002	09/519705	21272-789	OA 1m	02/11/02	jem	bsc	vea
3/1/2002	09/676135	24059-028	OA 1m	02/12/02	jem	bsc	vea
3/1/2002	60/344706		Filing Receipt	02/13/02	meb	skg	vea
3/1/2002	60/353280	21402-510IFC-01	Filing Receipt	02/25/02	meb	ire	vea
3/4/2002	09/849699	17555-101	Letter from Speedline Technologies	02/22/02	nu	rs	vea
3/4/2002	09/548589	15966-547	OA 3m	02/27/02	nu	cak	vea
3/4/2002	09/374174	15966-531	OA 3m	03/01/02	nu	kek	vea
3/4/2002	09/918698	17555-107	OA 3m	02/27/02	nu	tms	vea
3/4/2002	09/276370	17561-025	OA 3m	02/27/02	nu	rs	vea
3/4/2002	09/758047	18133-070	OA 3m	02/27/02	nu	tms	vea
3/4/2002	10/013034	23484-016	Notice of Non-Recordation of Document	02/08/02	nu	dfc	vea
3/4/2002	09/950931	21127-502CON	Notice of Recordation of Assignment	02/25/02	nu	iab	vea
3/4/2002	09/335119	17853-024	Office Communication	02/25/02	nu	tms	vea
3/4/2002	09/791947	17741-501	OA 3m	02/27/02	nu	mkh	vea
3/4/2002	09/577634	21127-503	Notice of Allowance and Fees Due	02/27/02	nu	iab	vea
3/4/2002	09/338123		OA 3m	02/27/02	nu	kek	vea
3/4/2002	09/731214	21486-034	OA 1m	02/27/02	nu	iab	vea
3/4/2002	09/468253	15966-519	OA 3m	02/27/02	nu	cb	vea
3/4/2002	09/640183	21508-043	Office Communication	02/21/02	nu	iab	vea
3/4/2002	09/501174	17564-099	Notice of Recordation of Assignment	02/26/02	nu	rs	vea
3/4/2002	09/912976	21402-070	Notice of Recordation of Assignment	02/25/02	nu	mp	vea
3/4/2002	10/042515	17554-040	Missing Parts/Filing Receipt	02/28/02	nu	cp	vea
3/4/2002	10/072609	18254-015	Missing Parts/Filing Receipt	02/28/02	nu	tms	vea
3/4/2002	09/435650	17847-055	Issue Notification	02/21/02	nu	cp	vea
3/4/2002	09/112580		Notice re POA	02/27/02	nu	ire	vea
3/4/2002	09/427533	19721-009	Advisory Action	02/26/02	nu	mp	vea
3/4/2002	09/239300		Notice re POA	02/25/02	nu	ire	vea
3/4/2002	09/055061	17791-011	Notice of Abandonment	02/26/02	nu	bnd	vea
3/4/2002	09/277457		Issue Notification	02/21/02	nu	iab	vea

3/4/2002	10/066154	23484-011	Missing Parts/Filing Receipt	02/27/02	nu	tms	vea
3/4/2002	09/989660	21272-103CON	Missing Parts/Filing Receipt	02/27/02	nu	cak	vea
3/4/2002	09/988354	21272-088CON	Missing Parts/Filing Receipt	02/27/02	nu	cak	vea
3/4/2002	08/868719		Notice re POA	02/26/02	nu	ire	vea
3/4/2002	10/057613	23659-501	Missing Parts/Filing Receipt	02/26/02	nu	mm	vea
3/4/2002	10/052648	21402-250	Missing Parts/Filing Receipt	02/27/02	nu	mkh/cak	vea
3/4/2002	09/642610	24059-019	Corrected Filing Receipt	02/28/02	meb	bc	kcq
3/4/2002	60/353310	24641-507	Filing Receipt	02/27/02	meb	bph (nyc)	kcq
3/4/2002	60/352622	22866-018	Filing Receipt	02/27/02	meb	bph (nyc)	kcq
3/4/2002	60/353468	24641-510	Filing Receipt	02/27/02	meb	bph (nyc)	kcq
3/4/2002	60/354896	24641-516	Filing Receipt	02/28/02	meb	bph (nyc)	kcq
3/4/2002	60/353286	21402-511FC-01	Filing Receipt	02/26/02	meb	ire	kcq
3/4/2002	60/353288	21402-507 IFC-01	Filing Receipt	02/26/02	meb	ire	kcq
3/4/2002	60/353296	24037-501PRO2	Filing Receipt	02/26/02	meb	mm	kcq
3/4/2002	60/353301	21402-555	Filing Receipt	02/26/02	meb	ire	kcq
3/4/2002	60/354392	21402-499IFC-01	Filing Receipt	03/01/02	meb	ire	kcq
3/4/2002	60/353536	24641-503	Filing Receipt	03/01/02	meb	bph (nyc)	kcq
3/4/2002	60/354897	24641-515	Filing Receipt	02/28/02	meb	bph (nyc)	kcq
3/4/2002	09/864029	21402-022	Updated Filing Receipt	02/27/02	meb	bjm	kcq
3/4/2002	60/353537	24641-502	Filing Receipt	02/28/02	meb	bph (nyc)	kcq
3/4/2002	60/331772	21402-273DIFC-01	Updated Filing Receipt	03/01/02	meb	ire	kcq
3/4/2002	60/355396	24348-501	Filing Receipt	03/01/02	meb	cvk	kcq
3/4/2002	60/353364	24641-505	Filing Receipt	03/01/02	meb	bph (nyc)	kcq
3/4/2002	60/353342	20349-545	Filing Receipt	03/01/02	meb	cvk	kcq
3/4/2002	10/002050	15966-554CON-S14	Corrected Filing Receipt	02/28/02	meb	gis	kcq
3/5/2002	60/354393	21402-506 IFC-01	Filing Receipt	03/01/02	meb	ire	kcq
3/5/2002			Motion to Withdraw	02/28/02	nu	jah	dmh
3/6/2002	09/524823	17811-012	Notice of Abandonment	02/28/02	nu	cak	dmh
3/6/2002	09/642610	21272-023	Office Communication	02/28/02	nu	bc	dmh
3/6/2002			Plaintiffs Assented-To Motion for Voluntary Dismissal w/o Prejudice	02/22/02	nu	ajm	dmh
3/6/2002	09/772747	18133-065	OA 3m	02/28/02	nu	tms	dmh
3/6/2002	29/101057	18430-001	Letter from Associate	02/25/02	nu	rd	dmh
3/6/2002	09/338125	15966-512DIV	OA 3m	03/01/02	nu	kek	dmh
3/6/2002	10/000498	22596-505	Notice of Incomplete Reply	02/28/02	nu	bjm	dmh
3/6/2002	10/000498	22596-505	Corrected Filing Receipt	02/28/02	nu	bjm	dmh



3/6/2002	10/009809	24025-501	Missing Requirements	02/27/02	nu	ire	dmh
3/6/2002	09/890469	17810-510	Notice of Acceptance of App/Filing Receipt	02/27/02	nu	cvk	dmh
3/6/2002	60/354783	15966-621UB	Filing Receipt	02/28/02	meh	kek	vea
3/6/2002	10/038701	18133-091	Updated Filing Receipt	02/28/02	meh	tms	vea
3/7/2002	10/029621	23484-018	Notice of Recordation of Assignment	02/26/02	nu	dwp	dmh
3/7/2002	10/076037	17549-119	Missing Parts/Filing Receipt	03/01/02	nu	tms	dmh
3/7/2002	10/056646	23135-501CIPDIV4	Missing Parts/Filing Receipt	03/04/02	nu	npt	dmh
3/7/2002	09/790338	20993-001CIP	Notice to Comply/Filing Receipt	03/04/02	nu	cak	dmh
3/7/2002	09/616483	21629-001	OA 3m	02/28/02	nu	iab	dmh
3/7/2002	09/618917		OA 3m	02/28/02	nu	cvk	dmh
3/7/2002	09/594295	18989-001	OA 3m	02/28/02	nu	cak	dmh
3/7/2002	09/653450	21272-006CIP2C	OA 1m	02/28/02	nu	bc	dmh
3/7/2002	09/616483	21629-001	Office Communication?	02/28/02	nu	iab	dmh
3/7/2002	09/105509		Interview Summary	03/04/02	nu	dfc	dmh
3/7/2002	10/061863	23484-024	Notice to File Corrected App Papers/Filing Receipt	03/04/02	nu	ces	dmh
3/7/2002	60/355135	22058-561	Missing Parts/Filing Receipt	02/28/02	nu	dej	dmh
3/7/2002	60/354131	24641-511	Filing Receipt	03/01/02	meh	bph	vea
3/7/2002	60/353564	24641-509	Filing Receipt	03/01/02	meh	bph	vea
3/7/2002	60/356376	21402-558	Filing Receipt	03/04/02	meh	ire	vea
3/7/2002	60/353361	24641-508	Filing Receipt	03/01/02	meh	bph	vea
3/7/2002	09/898646	21402-045	Updated Filing Receipt	03/01/02	meh	kek	vea
3/7/2002	60/354591	15966-748UB	Filing Receipt	03/01/02	meh	ire	vea
3/7/2002	60/354640	09999-110	Filing Receipt	03/01/02	meh	ire	vea
3/7/2002	60/355191	22529-506	Filing Receipt	03/01/02	meh	cak	vea
3/7/2002	09/957187	15966-540	Updated Filing Receipt	03/04/02	meh		
3/7/2002	09/849138	21402-001	Updated Filing Receipt	03/01/02	meh	nsb	vea
3/7/2002	09/929377	18072-018	Updated Filing Receipt	03/01/02	meh	dp	vea
3/7/2002	60/353363	24641-506	Filing Receipt	03/01/02	meh	bph	vea
3/7/2002	60/356073	20349-547	Filing Receipt	03/04/02	meh	cvk	vea
3/7/2002	09/994386	24220-012	Updated Filing Receipt	03/04/02	meh	dfc	vea
3/7/2002	60/353372	24641-504	Filing Receipt	03/01/02	meh	bph	vea
3/7/2002	60/354409	21402-500IFC-01	Filing Receipt	03/04/02	meh	ire	vea
3/7/2002	60/353362	24641-501	Filing Receipt	03/01/02	meh	bph	vea
3/7/2002	09/872968	21486-047	Updated Filing Receipt	03/01/02	meh	iab	vea
3/8/2002	09/981566	21402-163	Notice to Comply	03/05/02	nu	dej	vea

3/8/2002	10/056133	23135-501CIPDIV6	Missing Parts/Filing Receipt		03/05/02	nu	npt	vea
3/8/2002	09/775482	15966-577ACIP3	OA 1m		03/05/02	nu	kek	vea
3/8/2002	09/688312	15966-577A	OA 1m		03/05/02	nu	kek	vea
3/8/2002	09/305839		OA 3m		02/28/02	nu	iab	vea
3/8/2002	09/747155	19904-008	OA 1m		03/05/02	nu	bjm	vea
3/8/2002	60/356371	15966-672UA	Filing Receipt		03/05/02	meb	cvk	vea
3/8/2002	09/842758	15966-783	Updated Filing Receipt		03/05/02	meb	sc	vea
3/8/2002	60/327557	18242-505	Corrected Filing Receipt		03/05/02	meb	hae	vea
			From Hamilton, Brook, Smith & Reynolds:					
3/11/2002	09/191687		OA 3m		03/06/02	nu	cak	vea
3/11/2002	09/856940	19904-013 NATL	Notice of Recordation of Assignment		03/07/02	nu	bjm	vea
3/11/2002	09/898837	15966-598CIP	Notice to Comply		03/08/02	nu	hae	vea
3/11/2002	09/944524	19742-510	Notice of Recordation of Assignment		03/07/02	nu	hae	vea
3/11/2002	09/940751	21231-505	Notice of Recordation of Assignment		03/07/02	nu	bjm	vea
3/11/2002	09/953340	18136-006	Notice of Allowance and Fees Due		03/08/02	nu	tms	vea
3/11/2002	09/217694	18111-001	Notice of Pub of App		02/28/02	nu	kek	vea
3/11/2002	09/856940	19904-013 NATL	Notice of Recordation of Assignment		03/07/02	nu	bjm	vea
3/11/2002	60/309274	17811-023A PRO	Notice of Recordation of Assignment		03/07/02	nu	cvk	vea
3/11/2002	09/928109	21162-015	Notice of Recordation of Assignment		03/07/02	nu	mmd	vea
3/11/2002	10/056583	24655-017	Missing Parts/Filing Receipt		03/08/02	nu	skg	vea
3/11/2002	09/929377	18072-018	Notice of Recordation of Assignment		03/07/02	nu	pp	vea
3/11/2002	09/540763	15966-543	Notice of Recordation of Assignment		03/07/02	nu	cak	vea
3/11/2002	60/261442	22058-523	Notice of Recordation of Assignment		03/07/02	nu	jfe	vea
3/11/2002	60/270835	22058-523B	Notice of Recordation of Assignment		03/07/02	nu	dej	vea
3/11/2002	09/956625	14445-503	Notice of Recordation of Assignment		03/07/02	nu	bjm	vea
3/11/2002	09/955523	17556-073	Notice of Recordation of Assignment		03/07/02	nu	sh	vea
3/11/2002	09/546483	17811-011	Issue Notification		03/01/02	nu	kek	vea
3/11/2002	09/950931	21127-502	Notice of Pub of App		02/21/02	nu	iab	vea
			Notice of Acceptance of App/Filing Receipt		03/07/02	nu	bjm	vea
3/11/2002	09/958479	22596-508			03/07/02	nu	dfc	vea
3/11/2002	60/336828	24515-010	Notice of Incomplete Prov App		03/07/02	nu	tms	vea
3/11/2002	09/918698	17555-107	Notice of Pub of App		02/21/02	nu	tms	vea
3/11/2002	09/928112	17549-109	Notice of Pub of App		02/21/02	nu	tms	vea
3/11/2002	09/872623		Notice re POA		03/07/02	nu	npt	vea
3/11/2002	09/812514	18105-064	Notice of Pub of App		02/28/02	nu	rs	vea
3/11/2002	09/771196	18944-012	Notice of Pub of App		02/28/02	nu	cp	vea
3/11/2002	09/755539	17811-016	Notice of Pub of App		02/28/02	nu	cvk	vea

3/11/2002	09/827570	22395-502	Notice of Pub of App	02/28/02	nu	gis	vea
3/11/2002	09/428692	18475-016	Notice re POA	03/06/02	nu	bjm	vea
3/11/2002	09/253150	17549-070	OA 3m	03/05/02	nu	tms	vea
3/11/2002		17644-180	Drawings		nu	pp	vea
3/11/2002	09/761288	15966-638	OA 1m	03/06/02	nu	gis	vea
3/11/2002		21508-063CIP	Certificate of Correction	03/05/02	nu	iab	vea
3/11/2002	08/784229	22596-502	Petition Granted	03/06/02	nu	bjm	vea
3/11/2002	09/543188	18242-507	Letter from V.I. Technologies	03/07/02	nu	dej	vea
3/11/2002	09/239300		Advisory Action	03/05/02	nu	js	vea
3/11/2002	60/266647		Notice re POA/Corrected Filing Receipt	03/07/02	nu	skg	vea
3/11/2002	60/250574		Notice re POA/Corrected Filing Receipt	03/07/02	nu	skg	vea
3/11/2002	60/357396	19141-010	Filing Receipt	03/08/02	meb	cak	vea
3/11/2002	09/947063	21402-112	Updated Filing Receipt	03/08/02	meb	gis	vea
3/11/2002	60/357903	20173-011	Filing Receipt	03/08/02	meb	mp	vea
3/11/2002	60/338327	22058-555	Filing Receipt	03/06/02	meb	sc	vea
3/11/2002	10/062394	21272-002CON	Filing Receipt	03/06/02	meb	bc	vea
3/11/2002	09/545355		Notice of Abandonment	01/22/02			
3/12/2002	60/267021	22058-523A	Notice of Recordation of Assignment	03/07/02	jem	dej	vea
3/12/2002	09/711117	22511-002	OA 3m	03/08/02	jem	bjm	vea
3/12/2002	09/850466	19374-510	Interview Summary	03/07/02	jem	gis	vea
3/12/2002	10/042421	18889-020	Missing Parts/Filing Receipt	03/07/02	jem	cak	vea
3/13/2002	09/167206	15966-521	OA 3m	03/08/02	nu	sc	vea
3/14/2002	60/355183	22058-565	Missing Parts/Filing Receipt	03/01/02	nu	dej	vea
3/14/2002	29/155251	23223-011	Filing Receipt	02/28/02	nu	rs	vea
3/14/2002	60/354908	21402-336A1	Filing Receipt	03/01/02	nu	ire	vea
3/14/2002	09/607159		Notice of Abandonment	03/11/02	nu	ire	vea
3/14/2002	09/943432	22866-001B	Updated Filing Receipt	03/11/02	nu	bph	vea
3/14/2002	09/882529	15966-771	OA 3m	03/11/02	nu	cvk	vea
3/14/2002	10/003152	15966-554 CON-S12	Response to request for corrected Filing Receipt	03/01/02	nu	gis	vea
3/14/2002	09/779081	19721-009 DIV	OA 3m	03/12/02	nu	mp	vea
3/14/2002	60/354807	21402-494D1	Filing Receipt	03/12/02	nu	ire	vea
3/14/2002	09/061609		Notice of Allowance and Fees Due	03/11/02	nu	iab	vea
3/14/2002	09/544511	15966-546	Notice of Abandonment	03/08/02	nu	kek	vea
3/14/2002	09/121211		Letter from Wolf Greenfield	02/20/02	nu	cak	vea

3/14/2002	09/435650	17847-055	Publication (10 copies)		03/12/02	nu		cp		vea
3/14/2002	09/277457	24065-004	Publication (10 copies)		03/12/02	nu		iab		vea



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APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/679,740	10/05/2000	Sudhirdas K. Prayaga	15966-575B (Cura-75B)

CONFIRMATION NO. 8638

FORMALITIES LETTER



Ivor R. Elrifi, Esq.  
Mintz, Levin, Cohn, Ferris, Glovsky and Popeo, P.C  
One Financial Center  
Boston, MA 02111

Date Mailed: 02/14/2002

**NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS  
CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE  
DISCLOSURES**

Applicant is given **TWO MONTHS FROM THE DATE OF THIS NOTICE** within which to file the items indicated below to avoid abandonment. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

- A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked-up "Raw Sequence Listing." Applicant must provide a substitute computer readable form (CRF) copy of the "Sequence Listing" and a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d).

For questions regarding compliance to these requirements, please contact:

- For Rules Interpretation, call (703) 308-4216
- To Purchase PatentIn Software, call (703) 306-2600
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PART I - ATTORNEY/APPLICANT COPY



1600

## RAW SEQUENCE LISTING

DATE: 07/28/2004

PATENT APPLICATION: US/09/679,740A

TIME: 16:37:22

Input Set : A:\Cura75B.APP

Output Set: N:\CRF4\07282004\I679740A.raw

3 <110> APPLICANT: Prayaga, Sudhirdas K  
 4 Shimkets, Richard A  
 5 Majumder, Kumud  
 6 Eisen, Andrew  
 7 Vernet, Corine  
 8 Spaderna, Steven K  
 10 <120> TITLE OF INVENTION: ENDOZEPINE-LIKE POLYPEPTIDES AND POLYNUCLEOTIDES  
 11 ENCODING SAME  
 13 <130> FILE REFERENCE: 15966-575B  
 15 <140> CURRENT APPLICATION NUMBER: 09/679,740A  
 16 <141> CURRENT FILING DATE: 2000-10-05  
 18 <150> PRIOR APPLICATION NUMBER: 60/157,786  
 19 <151> PRIOR FILING DATE: 1999-10-05  
 21 <150> PRIOR APPLICATION NUMBER: 60/164,164  
 22 <151> PRIOR FILING DATE: 1999-11-09  
 24 <150> PRIOR APPLICATION NUMBER: 60/174,505  
 25 <151> PRIOR FILING DATE: 2000-01-04  
 27 <150> PRIOR APPLICATION NUMBER: 60/183,859  
 28 <151> PRIOR FILING DATE: 2000-02-22  
 30 <150> PRIOR APPLICATION NUMBER: 60/190,740  
 31 <151> PRIOR FILING DATE: 2000-03-20  
 33 <150> PRIOR APPLICATION NUMBER: 60/191,133  
 34 <151> PRIOR FILING DATE: 2000-03-22  
 36 <150> PRIOR APPLICATION NUMBER: 60/206,006  
 37 <151> PRIOR FILING DATE: 2000-05-19  
 39 <150> PRIOR APPLICATION NUMBER: 60/215,684  
 40 <151> PRIOR FILING DATE: 2000-06-30  
 42 <150> PRIOR APPLICATION NUMBER: 60/219,490  
 43 <151> PRIOR FILING DATE: 2000-07-20  
 45 <150> PRIOR APPLICATION NUMBER: 60/227,072  
 46 <151> PRIOR FILING DATE: 2000-08-22  
 48 <160> NUMBER OF SEQ ID NOS: 151  
 50 <170> SOFTWARE: PatentIn Ver. 2.1  
 52 <210> SEQ ID NO: 1  
 53 <211> LENGTH: 318  
 54 <212> TYPE: DNA  
 55 <213> ORGANISM: Homo sapiens  
 57 <220> FEATURE:  
 58 <221> NAME/KEY: misc\_feature  
 59 <222> LOCATION: (1)..(318)  
 60 <223> OTHER INFORMATION: wherein n is a g or t  
 62 <400> SEQUENCE: 1  
 63 gatcgagtag taacagccac tccaactctc cacctccagc ttctagcacc agggaccgcc 60

(pg.6)

**ENTERED**

## RAW SEQUENCE LISTING

DATE: 07/28/2004

PATENT APPLICATION: US/09/679,740A

TIME: 16:37:22

Input Set : A:\Cura75B.APP

Output Set: N:\CRF4\07282004\I679740A.raw

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W--> 64 tccaccacccc catgtgccaa gtggagttcg agctntgctg ccctcaagca gctgaagggt 120
65 cccgtgagcg atcaggagaa gctgctggtc tacggcttgt acaaacaggc caccaggggc 180
66 gactgcgaca tccccggccc tccggcctca gacgtgagag ccagggccaa gtgggaggct 240
67 tggagcgcg acaaaggggc gtccaagatg gacgccatga ggggctacgc ggccaaagtg 300
68 gaggagctga cgaagaag                                     318
71 <210> SEQ ID NO: 2
72 <211> LENGTH: 107
73 <212> TYPE: PRT
74 <213> ORGANISM: Homo sapiens
76 <220> FEATURE:
77 <221> NAME/KEY: VARIANT
78 <222> LOCATION: (32)
79 <223> OTHER INFORMATION: Wherein Xaa is any amino acid.
81 <400> SEQUENCE: 2
82 Asp Arg Val Val Thr Ala Thr Pro Thr Leu His Leu Gln Leu Leu Ala
83   1           5           10           15
W--> 85 Pro Gly Thr Ala Ser Thr Thr Pro Cys Ala Lys Trp Ser Ser Ser Xaa
86           20           25           30
88 Ala Ala Leu Lys Gln Leu Lys Gly Pro Val Ser Asp Gln Glu Lys Leu
89           35           40           45
91 Leu Val Tyr Gly Leu Tyr Lys Gln Ala Thr Gln Gly Asp Cys Asp Ile
92   50           55           60
94 Pro Gly Pro Pro Ala Ser Asp Val Arg Ala Arg Ala Lys Trp Glu Ala
95   65           70           75           80
97 Trp Ser Ala Asn Lys Gly Ala Ser Lys Met Asp Ala Met Arg Gly Tyr
98           85           90           95
100 Ala Ala Lys Val Glu Glu Leu Thr Lys Lys Glu
101   100           105
104 <210> SEQ ID NO: 3
105 <211> LENGTH: 351
106 <212> TYPE: DNA
107 <213> ORGANISM: Homo sapiens
109 <400> SEQUENCE: 3
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111 tccctgcagg ctgattttga catggtcaca gaagatgtga ggaagctgaa aacaagacca 120
112 gatgatgaag aactgaaaga actttatggg ctttaccacac aagctgtaat tggaaacatt 180
113 aatattgagt gttcagaaat gctagaatta aaaggcaagg ccaaatggga agcacagaac 240
114 ccccaaaaag gattgtcaga ggaagatatg atgcgtgcct ttatttctaa agccgaagag 300
115 ctgatagaaa aatatggaat ttagaataaa gcatatgata aattttcctt t 351
118 <210> SEQ ID NO: 4
119 <211> LENGTH: 88
120 <212> TYPE: PRT
121 <213> ORGANISM: Homo sapiens
123 <400> SEQUENCE: 4
124 Met Ser Leu Gln Ala Asp Phe Asp Met Val Thr Glu Asp Val Arg Lys
125   1           5           10           15
127 Leu Lys Thr Arg Pro Asp Asp Glu Glu Leu Lys Glu Leu Tyr Gly Leu
128           20           25           30
130 Tyr Lys Gln Ala Val Ile Gly Asn Ile Asn Ile Glu Cys Ser Glu Met

```

## RAW SEQUENCE LISTING

DATE: 07/28/2004

PATENT APPLICATION: US/09/679,740A

TIME: 16:37:22

Input Set : A:\Cura75B.APP

Output Set: N:\CRF4\07282004\I679740A.raw

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131          35          40          45
133 Leu Glu Leu Lys Gly Lys Ala Lys Trp Glu Ala Gln Asn Pro Gln Lys
134          50          55          60
136 Gly Leu Ser Glu Glu Asp Met Met Arg Ala Phe Ile Ser Lys Ala Glu
137 65          70          75          80
139 Glu Leu Ile Glu Lys Tyr Gly Ile
140          85
143 <210> SEQ ID NO: 5
144 <211> LENGTH: 565
145 <212> TYPE: DNA
146 <213> ORGANISM: Homo sapiens
148 <400> SEQUENCE: 5
149 gctcacacct gtaatccag catttgggag gccaaaggcag gcagattatg tgagggtcaag 60
150 agttccagac cagctgtcca acatggcaaa acccatctcc actaaaaata caaaaattag 120
151 ccggcatggg tggcatgcag ctgtaatcac agctgctcgg gaggtctgagg cggagaatca 180
152 cttgagctgg gaagaaaaaa aaaaaaaaaa aagatgtgca ggtattaagc actttaagac 240
153 caagccagca gatgatgaga tgcggttcct ttacggccac tacaaacgag cgactgtagg 300
154 caacataaag acagaacggc cagggatggg ggacttcaag ggcaaagcca agtgggatcc 360
155 ctggaattta gtgaaagggg ctgccaggga agatcccatg aaagctaaag cttacgtcaa 420
156 aaaagtagaa gagttaaaga aaaaattcag aatacgagag actggaattg ttgccagcca 480
157 tgcctttgtc ctaaactgag acaatgcctt gttttttcta cactgtggat ggtgggaact 540
158 gatggaaaga atcagctaac ccatc 565
161 <210> SEQ ID NO: 6
162 <211> LENGTH: 138
163 <212> TYPE: PRT
164 <213> ORGANISM: Homo sapiens
166 <400> SEQUENCE: 6
167 Met Ala Lys Pro Ile Ser Thr Lys Asn Thr Lys Ile Ser Arg His Gly
168 1          5          10          15
170 Trp His Ala Ala Val Ile Thr Ala Ala Arg Glu Ala Glu Ala Glu Asn
171          20          25          30
173 His Leu Ser Trp Glu Glu Lys Lys Lys Lys Lys Arg Cys Ala Gly Ile
174          35          40          45
176 Lys His Phe Lys Thr Lys Pro Ala Asp Asp Glu Met Arg Phe Leu Tyr
177          50          55          60
179 Gly His Tyr Lys Arg Ala Thr Val Gly Asn Ile Lys Thr Glu Arg Pro
180 65          70          75          80
182 Gly Met Val Asp Phe Lys Gly Lys Ala Lys Trp Asp Pro Trp Asn Leu
183          85          90          95
185 Val Lys Gly Ala Ala Arg Glu Asp Pro Met Lys Ala Lys Ala Tyr Val
186          100          105          110
188 Lys Lys Val Glu Glu Leu Lys Lys Lys Phe Arg Ile Arg Glu Thr Gly
189          115          120          125
191 Ile Val Ala Ser His Ala Phe Val Leu Asn
192          130          135
195 <210> SEQ ID NO: 7
196 <211> LENGTH: 310
197 <212> TYPE: DNA
198 <213> ORGANISM: Homo sapiens

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## RAW SEQUENCE LISTING

DATE: 07/28/2004

PATENT APPLICATION: US/09/679,740A

TIME: 16:37:22

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Output Set: N:\CRF4\07282004\I679740A.raw

200 &lt;400&gt; SEQUENCE: 7

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202 ggctgcagaa gatgtgagga agctgaaagc aagaccagat gatggagaac tgaaagaact 120
203 ctatgggctt tacaacaag caatagttgg agacattaat attgctgtgc caggaatgct 180
204 agattttaaaa ggcaaagcca aatgggaagc atggaacctc aaaaaagggg tgtcgacgga 240
205 agatgcgcagc agtgcctata tttctaaagc aaaggagctg atagaaaaat acggaattta 300
206 gaatacagca                                     310

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209 &lt;210&gt; SEQ ID NO: 8

210 &lt;211&gt; LENGTH: 96

211 &lt;212&gt; TYPE: PRT

212 &lt;213&gt; ORGANISM: Homo sapiens

214 &lt;400&gt; SEQUENCE: 8

```

215 Met Leu Leu Leu Phe Val Cys Leu Phe Phe Leu Lys Ala Asp Phe Asp
216   1           5           10           15
218 Arg Ala Ala Glu Asp Val Arg Lys Leu Lys Ala Arg Pro Asp Asp Gly
219           20           25           30
221 Glu Leu Lys Glu Leu Tyr Gly Leu Tyr Lys Gln Ala Ile Val Gly Asp
222           35           40           45
224 Ile Asn Ile Ala Cys Pro Gly Met Leu Asp Leu Lys Gly Lys Ala Lys
225           50           55           60
227 Trp Glu Ala Trp Asn Leu Lys Lys Gly Leu Ser Thr Glu Asp Ala Thr
228  65           70           75           80
230 Ser Ala Tyr Ile Ser Lys Ala Lys Glu Leu Ile Glu Lys Tyr Gly Ile
231           85           90           95

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237 &lt;210&gt; SEQ ID NO: 9

238 &lt;211&gt; LENGTH: 280

239 &lt;212&gt; TYPE: DNA

240 &lt;213&gt; ORGANISM: Homo sapiens

242 &lt;400&gt; SEQUENCE: 9

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243 accaccatgg cactgcaggc tgaattcgac aaggctgcag aagacgtgag gaagctgcca 60
244 acaagaccag cagataataa agaactgaaa aaactcgatg gactttacaa acaagctata 120
245 attggagaca ttaatattga gtatctggga atgctggact ttaagggcaa ggccaaatgc 180
246 gcagcatgga ccctccaaaa aaggttggtc aaggaagatg caacgagtgt ctctattttc 240
247 aaggcaaaag agccgataga aaaataggac atttagaata 280

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250 &lt;210&gt; SEQ ID NO: 10

251 &lt;211&gt; LENGTH: 86

252 &lt;212&gt; TYPE: PRT

253 &lt;213&gt; ORGANISM: Homo sapiens

255 &lt;400&gt; SEQUENCE: 10

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256 Met Ala Leu Gln Ala Glu Phe Asp Lys Ala Ala Glu Asp Val Arg Lys
257   1           5           10           15
259 Leu Pro Thr Arg Pro Ala Asp Asn Lys Glu Leu Lys Lys Leu Asp Gly
260           20           25           30
262 Leu Tyr Lys Gln Ala Ile Ile Gly Asp Ile Asn Ile Glu Tyr Leu Gly
263           35           40           45
265 Met Leu Asp Phe Lys Gly Lys Ala Lys Cys Ala Ala Trp Thr Leu Gln
266           50           55           60
268 Lys Arg Leu Ser Lys Glu Asp Ala Thr Ser Val Ser Ile Ser Lys Ala
269  65           70           75           80

```

## RAW SEQUENCE LISTING

DATE: 07/28/2004

PATENT APPLICATION: US/09/679,740A

TIME: 16:37:22

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Output Set: N:\CRF4\07282004\I679740A.raw

271 Lys Glu Pro Ile Glu Lys

272 85

275 &lt;210&gt; SEQ ID NO: 11

276 &lt;211&gt; LENGTH: 267

277 &lt;212&gt; TYPE: DNA

278 &lt;213&gt; ORGANISM: Homo sapiens

280 &lt;400&gt; SEQUENCE: 11

281 accgcctcca ccaccccatg tgccaagtgg agttcgagct gcgcggccct caagcagctg 60

282 aagggtcccg tgagcgatca ggagaagctg ctggtctacg gcttgtacaa acaggccacc 120

283 cagggcgact gcgacatccc cgccctccg gcctcagacg tgagagccag ggccaagtgg 180

284 gaggcttggg gcgcgaacaa aggggcgtcc aagatggacg ccatgagggg ctacgcggcc 240

285 aaagtggagg agctgacgaa gaaggaa 267

288 &lt;210&gt; SEQ ID NO: 12

289 &lt;211&gt; LENGTH: 89

290 &lt;212&gt; TYPE: PRT

291 &lt;213&gt; ORGANISM: Homo sapiens

293 &lt;400&gt; SEQUENCE: 12

294 Thr Ala Ser Thr Thr Pro Cys Ala Lys Trp Ser Ser Ser Cys Ala Ala

295 1 5 10 15

297 Leu Lys Gln Leu Lys Gly Pro Val Ser Asp Gln Glu Lys Leu Leu Val

298 20 25 30

300 Tyr Gly Leu Tyr Lys Gln Ala Thr Gln Gly Asp Cys Asp Ile Pro Gly

301 35 40 45

303 Pro Pro Ala Ser Asp Val Arg Ala Arg Ala Lys Trp Glu Ala Trp Ser

304 50 55 60

306 Ala Asn Lys Gly Ala Ser Lys Met Asp Ala Met Arg Gly Tyr Ala Ala

307 65 70 75 80

309 Lys Val Glu Glu Leu Thr Lys Lys Glu

310 85

313 &lt;210&gt; SEQ ID NO: 13

314 &lt;211&gt; LENGTH: 481

315 &lt;212&gt; TYPE: DNA

316 &lt;213&gt; ORGANISM: Homo sapiens

318 &lt;400&gt; SEQUENCE: 13

319 tcttcttctg cagctcctcc actttggccg cgtagccct catggcgctc atcttggacg 60

320 cccctttgtt cgcgctccaa gcctccact tggccctggc tctcacgtct gaggccggag 120

321 ggccggggat gtcgcagtcg cctgggtgg cctgtttgta caagccgtag accagcagct 180

322 tctcctgata gctcacggga ccttcagct gcttgagggc cgcaaagctc gaactccact 240

323 tggcacatgg ggtggtggag gcggtccctg gtgctagaag ctggaggtgg agagttggag 300

324 tggtgtttac tactcgatct cagggggagg agacaggcac gcgatgtttg tgttttgtca 360

325 agcacagatt gcaagctcgg ggtccagcgt aaacccacc atgtttgggc tcacacggcg 420

326 cattttctgg ggaggaccag ccgtcaaaaa gcgtctagga tccggaacgc tgctgtctgg 480

327 a 481

330 &lt;210&gt; SEQ ID NO: 14

331 &lt;211&gt; LENGTH: 273

332 &lt;212&gt; TYPE: DNA

333 &lt;213&gt; ORGANISM: Homo sapiens

335 &lt;400&gt; SEQUENCE: 14

336 gcgtccatct tggacgcccc tttgttcgag ctccaagcct cccacttggc cctggctctc 60

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/679,740A

DATE: 07/28/2004  
TIME: 16:37:23

Input Set : A:\Cura75B.APP  
Output Set: N:\CRF4\07282004\I679740A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 95  
Seq#:2; Xaa Pos. 32  
Seq#:34; N Pos. 123,143  
Seq#:37; Xaa Pos. 4,6,7,8,9,10,11,17,20  
Seq#:38; Xaa Pos. 4,6,7,8,9,10,11,13,14,15,17,18,20  
Seq#:39; Xaa Pos. 6,8,9,10,11,14,15,17,19,20  
Seq#:40; Xaa Pos. 3,4,9,11,13,16,18  
Seq#:41; Xaa Pos. 2,3,4,6,7,9,11,12,13,14,15,16,17,18  
Seq#:42; Xaa Pos. 6,7,9,10,11,14,15,17,18,20  
Seq#:43; Xaa Pos. 7,10,11,13,14,15,17,18,19,20  
Seq#:44; Xaa Pos. 3,4,6,7,9,10,11,12,13,14,15,17,18  
Seq#:45; Xaa Pos. 2,3,6,7,10,11,13,14,15,18  
Seq#:72; Xaa Pos. 1,6,9,12,16,17,19,21,33,34,41,55,65,69,73,77,85  
Seq#:148; Xaa Pos. 2,3,6,7,10,11,13,14,15,18

## VERIFICATION SUMMARY

DATE: 07/28/2004

PATENT APPLICATION: US/09/679,740A

TIME: 16:37:23

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Output Set: N:\CRF4\07282004\I679740A.raw

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L:85 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:16  
L:825 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:120  
L:977 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0  
M:341 Repeated in SeqNo=37  
L:1055 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0  
M:341 Repeated in SeqNo=38  
L:1120 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0  
M:341 Repeated in SeqNo=39  
L:1168 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0  
M:341 Repeated in SeqNo=40  
L:1246 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0  
M:341 Repeated in SeqNo=41  
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L:1513 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:0  
M:341 Repeated in SeqNo=45  
L:2151 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72 after pos.:0  
M:341 Repeated in SeqNo=72  
L:4172 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:148 after pos.:0  
M:341 Repeated in SeqNo=148